

## Offline Emergency & Proximity Messaging App

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### App Overview:

**Nidaa** is an offline Bluetooth-based messaging application designed to connect people during emergencies, outdoor activities, and areas without internet access. It allows users to send messages using Bluetooth mesh networks without needing SIM cards, mobile data, or Wi-Fi.

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### Use Cases



#### Civil Defence & Firefighters (Tunisia)

In forest fire zones or natural disaster scenarios, internet and mobile coverage is often unavailable. Nidaa enables communication between teams, enhancing coordination and increasing survival chances during emergencies.



#### Scouts of Tunisia (Les Scouts Tunisiens)

When scouts go on hiking, camping, or nature exploration trips, Nidaa allows safe communication even if someone gets separated. Group messages and vibrations alert users to danger or instructions.



#### Schools & Educational Trips

Schools organizing outdoor activities or picnics for children can ensure student safety. Teachers and supervisors can send location-based alerts or regrouping instructions to all students nearby.



#### Personal Safety in Desert, Forest, or Rural Areas

Travelers, farmers, or hikers can stay connected with companions. In case of disorientation or isolation, the app can deliver messages and alerts when the user comes in Bluetooth range of others.

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### Key Features

- Offline communication (Bluetooth-based)
  - Send group messages or direct messages
  - Option to enable silent or vibration-only alerts (e.g., during wildlife encounters)
  - Message relay: messages hop through nearby users until delivered
  - User identity attached to each message (e.g., "WAEL")
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## Humanitarian Vision

لا توجد أي أغراض ربحية من التطبيق. وفي حال رعاية بعض الشركات أو الإعلانات ستذهب عوائدها لدور كفالة الأيتام وكبار السن. ويُشترط في حالة الإعلان والرعاية أن لا تتم أي معاملات مالية، بل تؤخذ في شكل مواد غذائية واحتياجات الفئات المذكورة أعلاه.

This app is non-profit. If sponsored or supported by companies, the returns will go to orphanages and elderly care homes. No financial transactions will be allowed—only donations in kind (food, supplies, etc.).

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### Ownership Declaration (D.A.O.)

**Name:** Wael Makki Yousif Mohamed

**Nationality:** Sudanese

**Passport No.:** XXXXX

This app idea, design, and documentation are declared by the above person as original, with no commercial partners involved at this stage.

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### Suggested App Name & Logo

**Name:** Nidaa | نداء

**Meaning:** Arabic for “Call” or “Shout”—symbolizing help, communication, and urgency.

Logo: (To be added manually later)

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### Technical Suggestions

- Open-source base or Flutter/BluetoothMesh Android SDK
- Free license for non-commercial community-driven development
- Prototype can be hosted privately before launch on Play Store

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### Pitch Summary for Developers / NGOs / Institutions

We are seeking technical partners, NGOs, or educational/government institutions interested in co-developing or sponsoring this humanitarian and nationally beneficial tool.

For contact: [Contact info to be added by owner]

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